

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS FLL LOG ELECTRIC LOGS FILE WATER SANDS LOCATION INSPECTED U-42586 SUB REPORT /abd

* Location Abandoned - Well never drilled - 3-22-83
 811204 well name chgd from Black Mesa Fed #1-11

DATE FILED 12-28-81

LAND FEE & PATENTED STATE LEASE NO PUBLIC LEASE NO U-42586 INDIAN

DRILLING APPROVED: ~~1-18-82~~ 1-19-82

SPUDDED IN:
 COMPLETED PUT TO PRODUCING

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR

PRODUCING ZONES

TOTAL DEPTH:

WELL ELEVATION 5523' GR

DATE ABANDONED: LA 3-22-83

FIELD 3/86 WILDCAT

UNIT

COUNTY: SAN JUAN

WELL NO RIC-TESORO FED #1-11 API NO. 43-037-30752

LOCATION 500 FT. FROM (S) LINE. 820 FT. FROM (E) LINE. SE SE 14 - 14 SEC 11

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
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38S	21E	11	RESOURCES INVESTMENTS CORP
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RIC

Resources Investment Corporation

Subsidiary of Energy Management Corporation

3500 Anaconda Tower/555 Seventeenth Street/Denver, Colorado 80202/Telephone 303 825-3328

December 18, 1981

State of Utah
Oil, Gas & Mining, Division
1588 West, North Temple
Salt Lake City, Utah 84116
Attn: Debbie Beauregard

Re: RIC/Tesoro Federal #1-11/#2-11
Section 11-T38S-R21E
San Juan Co., Utah

Dear Ms. Beauregard:

Enclosed please find the complete Application for Permit to Drill and NTL₆ package which I am sending again do to a mix up the first time.

If you have any questions, please do not hesitate to contact me at the above letterhead address.

Sincerely yours,

RESOURCES INVESTMENT CORPORATION



T.L. Hoffman
Operations Secretary

tlh
Enclosures

cc: WF
RF

RECEIVED
DEC 30 1981

**DIVISION OF
OIL, GAS & MINING**

16

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Resources Investment Corporation

3. ADDRESS OF OPERATOR
 555 17th Street, Suite 3500 Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface 500' FSL 820' FEL (SE SE)
 At proposed prod. zone same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 10 1/2 miles southwest of Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
 6600' *Desert Creek*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5523' GR

22. APPROX. DATE WORK WILL START*
 November 30, 1981

5. LEASE DESIGNATION AND SERIAL NO.
 U-42586

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 NA

7. UNIT AGREEMENT NAME
 NA

8. FARM OR LEASE NAME
 RIC/Tesoro Federal

9. WELL NO.
 1-11

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 Sec. 11, T38S R21E

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	9 5/8"	36#	500'	235 sacks
7 7/8"	5 1/2"	15.5#	6600'	To be determined from logs

Operator proposes to test the Desert Creek formation for hydrocarbons at approximately 6402 feet. If productive, production casing will be set and cemented and a completion attempted. If non-productive, the hole will be plugged and abandoned in a prudent manner consistent with federal and state regulations.

See attached NTL-6 for program specifics.

RECEIVED
 DEC 28 1981
 DIVISION OF
 OIL, GAS & MINING

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING

IN ABOVE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program if applicable.

24. SIGNED [Signature] TITLE Northern District Drilling & Prod. Manager DATE November 19, 1981

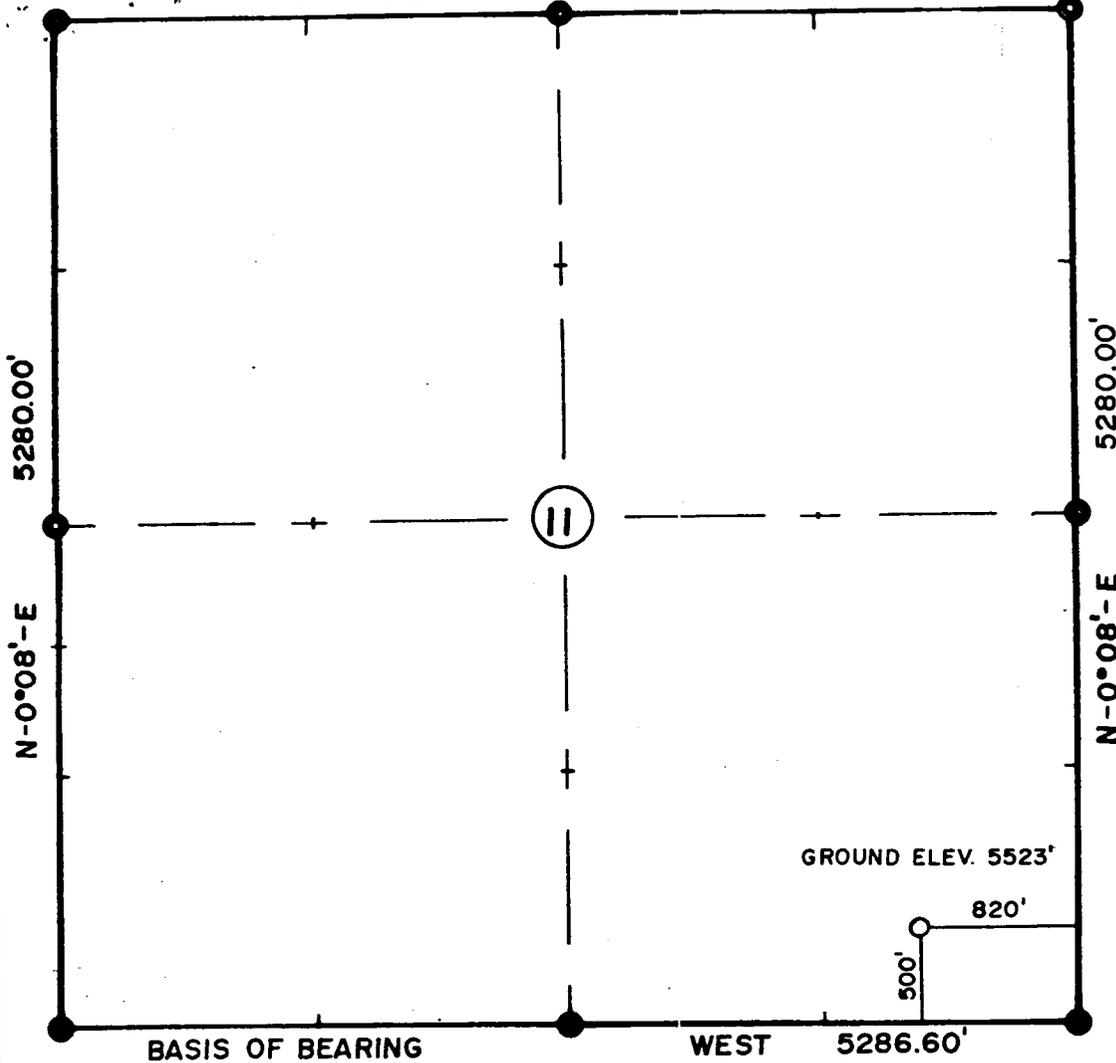
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

SEC. 11, T. 38-S, R. 21-E OF THE SALT LAKE P.M.
WEST 5280.00'



SCALE

LEGEND

- STANDARD LOCATION OF GLO CORNERS.
- GLO CORNERS FOUND
- WELL LOCATION STAKED.

REFERENCE DOCUMENTS

1954 GLO PLAT
BLUFF & BRUSHY BASIN WASH
QUADRANGLE, USGS

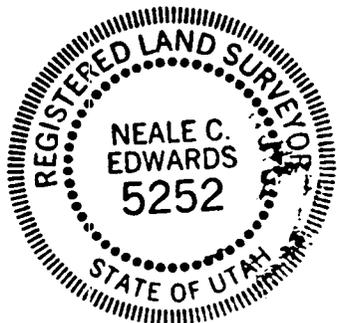
THIS WELL LOCATION PLAT WAS PREPARED FOR RESOURCES INVESTMENT CORP.
 AS REQUESTED BY DAVE FERREL, TO LOCATE THE
1-11 BLACK MESA FEDERAL, 500' F.S.L. & 820' F.E.L.,
 IN THE SE 1/4 SE 1/4, OF SECTION 11, T. 38-S, R. 21-E OF THE S.L. P.M.
SAN JUAN COUNTY, UTAH.

SURVEYOR'S CERTIFICATE

I, NEALE C. EDWARDS A REGISTERED LAND SURVEYOR
 IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS
 SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND
 THAT THIS PLAT REPRESENTS SAID SURVEY.

NCE SURVEYS

2605 C.R. # 203
 DURANGO, COLO.
 81301
 (303) 247-2342



Neale C. Edwards
 UTAH L.S. NO. 5252

DATE: NOV. 12, 1981

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Resources Investment Corporation

3. ADDRESS OF OPERATOR
555 17th St. - 3500 Anaconda Tower

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 660' FSL & 1982' FWL (SE SW)
AT SURFACE: As Above
AT TOP PROD. INTERVAL: As Above
AT TOTAL DEPTH: As Above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Changing of Well Name	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

5. LEASE
U-18428

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
RIC/Tesoro Federal

9. WELL NO.
1-11

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 11-T38S-R21E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5523' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please note the change of well name from
BLACK MESA FEDERAL #1-11
to the
RIC/TESORO FEDERAL #1-11

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED D. J. Hall TITLE District Engineer DATE December 4, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

** FILE NOTATIONS **

DATE: 1-6-82

OPERATOR: Resources Investment Corp.

WELL NO: RR/Jesoro Federal 1-11

Location: Sec. 11 T. 38S R. 21E County: San Juan

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-037-30752

CHECKED BY:

Petroleum Engineer: _____

Director: OK rule C-3

Administrative Aide: OK per rule C-3

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Fed

Plotted on Map

Approval Letter Written

Hot Line

P.I.

January 19, 1982

Resources Investment Corporation
555 17th Street Suite 3500
Denver, Colorado 80202

RE: Well No. RIC/Tesoro Federal 1-11
Sec. 11, T. 38S, R. 21E
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil/gas well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immedeately notify the following:

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30752.

Sincerely,

DIVISION OF OIL, GAS AND MINING


Cleon B. Feight
Director

CBF/as
Encl.
cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

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 6600'

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21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5523' GR

22. APPROX. DATE WORK WILL START*
 November 30, 1981

5. LEASE DESIGNATION AND SERIAL NO.
 U-42586

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 NA

7. UNIT AGREEMENT NAME
 NA

8. FARM OR LEASE NAME
 RIC/Tesoro Federal

9. WELL NO.
 1-11

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 11, T38S R21E

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

RECEIVED
 MAR 11 1982
 DIVISION OF OIL, GAS & MINING

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	9 5/8"	36#	500'	235 sacks
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Operator proposes to test the Desert Creek formation for hydrocarbons at approximately 6402 feet. If productive, production casing will be set and cemented and a completion attempted. If non-productive, the hole will be plugged and abandoned in a prudent manner consistent with federal and state regulations.

See attached NTL-6 for program specifics.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Northern District Drilling & Prod. Manager DATE November 18, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE District Oil & Gas Supervisor DATE MAR 10 1982
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

[Handwritten initials]

United States Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Resources Investment Corporation
Project Type single zone oil explorational well
Project Location 500' E/L 820' E/L, Sec. 11, T. 38 S., R. 21 E., San Juan County, Utah
Well No. 1-11 RIC/Tesoro ^{Federal} Lease No. U-42586
Date Project Submitted _____

FIELD INSPECTION

Date November 12, 1981

Field Inspection
Participants

David J. Farrel/Teresa Achley - agents for Resource Inv
Neil Edwards - surveyor, NCE Surveys, Inc.
Elen Benfield - Atchison Construction
Brian Wood/Opal Redshaw/Bernie Kroeger - Bureau of Land Management
Terry Galloway - U.S. Geological Survey
Pat Hardin - La Plata Archaeological Consultants

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

December 22, 1981
Date Prepared

Donald Englishmen
Environmental Scientist

I concur

FEB 01 1982
Date

W.P. Martin FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR
District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety						✓ 4	✓		
2. Unique charac- teristics							✓		
3. Environmentally controversial							✓		
4. Uncertain and unknown risks							✓		
5. Establishes precedents							✓		
6. Cumulatively significant							✓		
7. National Register historic places	✓ 1								
8. Endangered/ threatened species	✓ 1								
9. Violate Federal, State, local, tribal law						✓ 4	✓		

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
3. Lease Stipulations/Terms
4. Application for Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement

Remarks:

Location was changed from original stated location of 660' FSL/661' FEL to avoid archeological materials. New location was 500' FSL/820' FEL.



United States Department of the Interior

IN REPLY REFER TO
T38SR21E Sec. 11
(U-069)

BUREAU OF LAND MANAGEMENT

Moab District
San Juan Resource Area
P.O. Box 7
Monticello, Utah 84535

February 26, 1982

Memorandum

To: Minerals Management Service, Durango, Colorado

From: Area Manager, San Juan

Subject: Resources Investment Corporation Black Mesa Federal No. 1-11
(U-42586)

We concur with approval of the Application for Permit to Drill, provided the following amendments to the Surface Use Plan are included in the approval:

1. As stated in the lease U-42586, there will be no exploration, drilling, or other development activity between December 1 and March 31 due to deer winter range. This limitation does not apply to maintenance and operation of producing wells.
2. The first .2 miles of access road will be built as stipulated in the right-of-way grant.

The archaeological requirement has been fulfilled. No threatened or endangered species are indicated in the area.

Edward L. Schmitt

RECEIVED

MAR 1 1982

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

Petroleum Engineers, Inc.
 1660 Lincoln Street, Suite 1500
 Denver, Colorado 80264
 303/837-0132
 307/746-2620

RESOURCES INVESTMENT CORPORATION
 Black Mesa Federal 1-11
 SE SE Section 11 T38S, R21E
 San Juan County, Utah
 U-42586

10 POINT OPERATIONAL PLAN

I. The geologic name of the surface formation is Morrison.

II. The estimated tops of important geologic markers are:

Entrada	1228'	Moenkopi	3071'
Navajo	1401'	Hermosa	5275'
Wingate	2033'	Upper Ismay	6157'
Chinle	2691'	Lower Ismay	6280'
Shrinarump	3039'	Desert Creek	6402'

III. Hydrocarbons are expected in the Desert Creek at approximately 6402 feet. It is recognized, however, that certain other sands are potentially productive.

IV. Proposed Casing and Cementing Programs (ALL NEW CASING)

Surface:

<u>Depth</u>	<u>Size</u>	<u>Grade</u>	<u>Weight</u>	<u>Thread</u>	<u>Coupling</u>
500'	9 5/8"	K-55	24#	8RD	ST&C

Cement to surface with 235 sacks Class C with 2% CaCl.

Production:

<u>Depth</u>	<u>Size</u>	<u>Grade</u>	<u>Weight</u>	<u>Thread</u>	<u>Coupling</u>
TD	5 1/2"	K-55	15.5#	8RD	LT&C

Cement with Class C + LCM as required to control circulation loss.

V. Operator's Minimum Requirements for Pressure Control Equipment

Ten inch 900 Series Double Gate B.O.P. with Pipe and C.S.O. Rams (3000# WP).

A choke manifold is required with equivalent pressure rating as B.O.P.. Prior to drilling out shoe, test casing to 50% of internal yield, test ram type preventers to rated working pressure or 70% of internal yield of casing, whichever is less, for 15 minutes. Test choke manifold to rated working pressure for 15 minutes. Test B.O.P. each 30 days thereafter. Cycle pipe rams daily and C.S.O. rams when out of hole. Note on tour report book. Insure the kill line is connected and operational at all times.

VI. Type and Characteristics of Proposed Circulating Muds

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-500'	Gel/lime	8.5-9.0#	35-50 sec.	NC
500-2500'	Fresh water w/flocculant	8.3-8.7# (9.5 if water flows are encountered)	26-29 sec.	NC
2500'-TD	Lightly dis.	8.8-9.2#	35-45 sec.	15 cc (10 cc for last 300 feet)

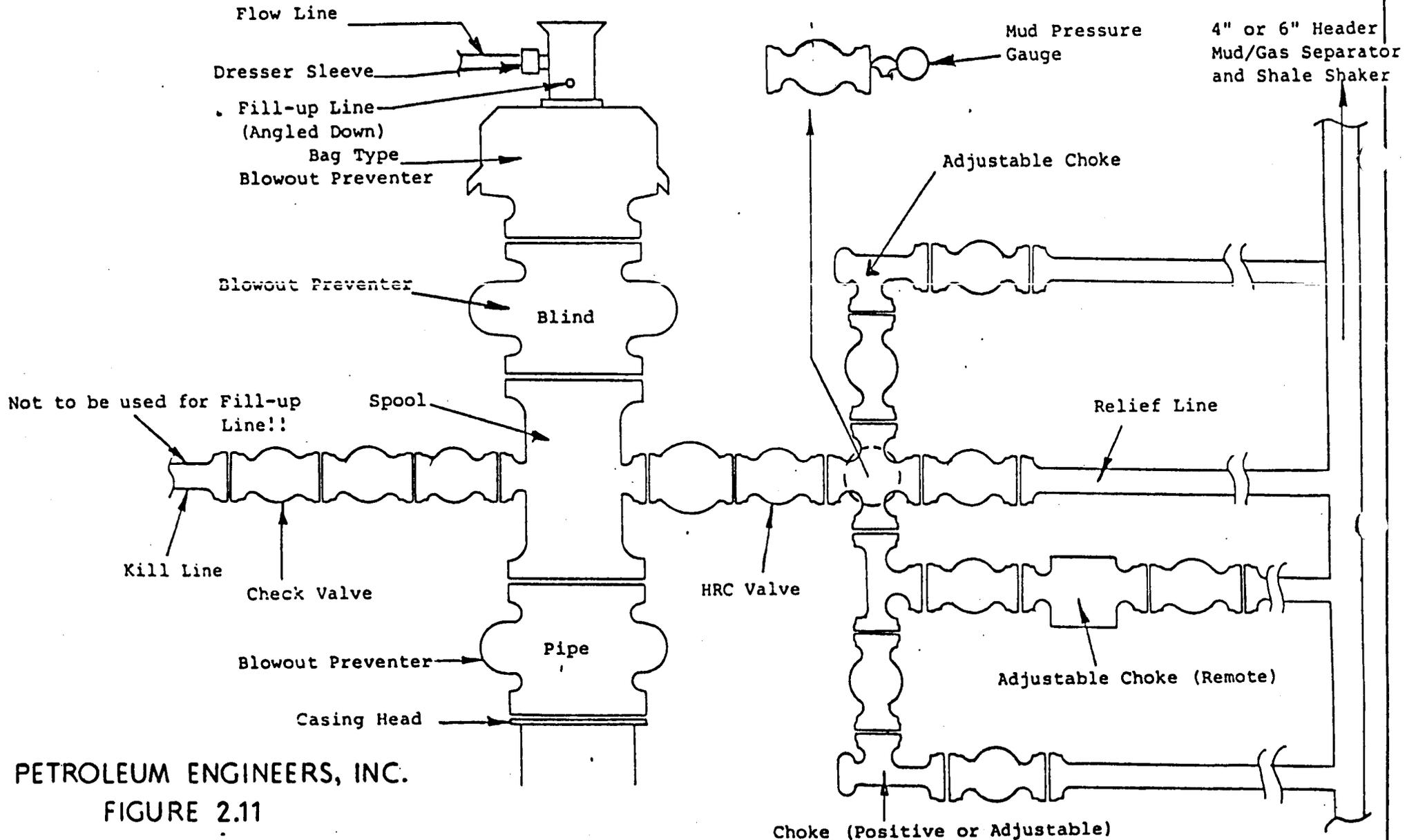
Adequate stocks of sorptive agents and other materials to control down-hole problems, should they arise, will be available on location.

VII. Auxillary Equipment

- 1) Kelly cock
- 2) Bit floats will be available
- 3) Full opening floor valve with proper thread
- 4) Mud system will be monitored visually

- VIII. DST all shows. No cores are planned. The logging program will consist of DIL. CNL. BHC/Sonic/Caliper.
- IX. Hydraulic fracturing with hydrocarbons is possible. Should this become a necessity, applicable safety spacing regulations will be maintained. A Sundry Notice will be filed when fracing or acidizing is deemed necessary. No abnormal pressures or temperatures are expected. No Hydrogen Sulfide is anticipated.
- X. The anticipated starting date is November 30, 1981. An estimated 25 days will be required for operations.

SERIES 900 DOUBLE GATE RAM



PETROLEUM ENGINEERS, INC.

FIGURE 2.11

RESOURCES INVESTMENT CORPORATION
Black Mesa Federal 1-11
SE SE Section 11, T38S, R21E
San Juan County, Utah
U-42586

13 POINT SURFACE USE PLAN

I. EXISTING ROADS

- A. Refer to highway and topographic maps.
- B. From Blanding, Utah, proceed south on Highway 163 to junction of Highways 163 and 95. Continue on Highway 95 for 6 miles to fork, bear left for .8 mile. At this point, turn left onto county dirt road and continue on main road for 4.3 miles to beginning of existing trail. Bear left (eastward) and follow trail for 0.4 mile. Bear right (southward) for 0.3 mile to beginning of new access road.
- C. Refer to highway and topographic maps.
- D. Refer to highway and topographic maps.
- E. Refer to highway and topographic maps.
- F. Roads will be maintained as necessary to permit all-weather travel.

II. PLANNED ACCESS ROAD (0.7 mile of existing trail and .13 mile of new access)

- 1) Maximum width of the crowned running surface will be 18 feet with 4 feet of additional disturbance for ditches. The county road will not need improvements.
- 2) Maximum grade of the new road is approximately 2%.
- 3) No turnouts are required.
- 4) Drainage design will conform with existing topography.
- 5) No culverts are necessary.
- 6) No surfacing material is required for drilling. If production is established, materials, if needed, will be obtained from contractors in the local area; however, per their request, the BLM, Monticello, will be notified prior to placing any surfacing materials on the access road or location. In addition, the road will be upgraded to accomodate all-weather traffic per BLM specifications.
- 7) No fence cuts will be required; no cattleguard is necessary; and no gates will be installed.
- 8) The new access road was center-line flagged.

III. LOCATION OF EXISTING WELLS (within 2 mile radius-refer to topo map)

- | | |
|--------------------------------|---|
| 1) Water wells | 1 |
| 2) Abandoned wells | 2 |
| 3) Temporarily abandoned wells | 0 |
| 4) Disposal wells | 0 |
| 5) Drilling wells | 0 |
| 6) Producing wells | 0 |
| 7) Shut-in wells | 0 |
| 8) Injection wells | 0 |
| 9) Monitoring wells | 0 |

IV. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES (within 2 mile radius)

- A. There are no existing production facilities owned or controlled by the Operator.
- B. Contemplated facilities in the event of production:
 - 1) Proposed production facilities will be located on the drilling pad and spaced per applicable regulations.
 - 2) Proposed facilities will require an area of approximately 160' x 280'.
 - 3) The tank battery will be constructed using a bulldozer to level the site, backhoes to dig trenches and bury lines, pole trucks, floats, and roustabout crews to maneuver and set equipment. Construction materials will consist of subsurface soil. Any surfacing materials required will be cleared with BLM, Monticello, prior to use.

- 4) With regard to protecting livestock and wildlife, the production pit will be fenced. The pumping unit will be fenced. Recycle pumps, if any, will be enclosed. The treater and tanks will be diked and, per BLM requirements, all above-ground production facilities will be painted a neutral color.

C. Rehabilitation Plan

Areas disturbed, but no longer needed for operations, will be scarified with the contour to a depth of 6 inches. Stockpiled topsoil will be distributed and the area reseeded with the following mixture as specified by the BLM, Monticello:

- 2 lbs/acre Indian ricegrass (Oryzopsis hymenoides)
- 1 lbs/acre Fourwing saltbush (Atriplex canescens)
- ½ lbs/acre Sand dropseed (Sporobolus cryptandrus)
- 1 lbs/acre Rubber rabbitbrush (Chrysothamnus nauseosus)

The seed will be drilled at a time specified by the BLM. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to prevent future use with waterbars etc. Refer to X-A.

V. LOCATION AND TYPE OF WATER SUPPLY

- A. Water will be obtained from Cottonwood (Canyon) Creek in the S½ SW¼ Section 31, T38S, R20E. An application for a State of Utah industrial water-use permit has been applied for by Petroleum Engineers, Inc.
- B. Water will be transported via truck over existing roads.
- C. No water well will be drilled.

VI. SOURCE OF CONSTRUCTION MATERIALS

- A. Construction materials will be obtained as much as possible from the drilling location. If additional materials are necessary, they will be obtained from contractors in the local area. Prior to their use, approval will be obtained from the BLM, Monticello.
- B. If construction materials are required, they will not be obtained from federal or indian lands.
- C. Refer to A.
- D. No access roads for construction materials are necessary.

VII. METHODS FOR HANDLING WASTE DISPOSAL

- A. Cuttings not retained for evaluation will be placed in the reserve pit.
- B. Drilling fluids will be contained in mud tanks or in the reserve pit.
- C. Produced water will temporarily be placed in the reserve pit or production pit, depending upon volumes encountered. Permanent disposal of produced water will be in accordance with NTL-2B. Produced oil will be collected in tanks and trucked from the location.
- D. A portable toilet will be provided. Human waste will be chemically treated and buried at the conclusion of operations. Sewage from trailers will be buried as noted above.
- E. Combustible materials will be burned frequently in a burn pit dug at least six feet deep into solid undisturbed material and totally enclosed with small mesh wire. If trash is burned between May 1 and October 31, a burning permit will be required. This will be obtained from the State Fire Warden, John Baker at 801-587-2705. Other waste materials will be collected in an adjacent fenced waste pit. The trash/burn pit(s) will be backfilled at the conclusion of operations. All materials buried will be at least 2 feet deep.
- F. After drilling operations are concluded and the rig is off location, the area will be cleaned of all trash material. Such material will be segregated with respect to combustibility then burned or buried as noted above.

VIII. ANCILLARY FACILITIES

No camps or airstrips will be constructed. A portable trailer will be parked on the drilling location in the area shown on the rig layout.

IX. WELLSITE LAYOUT

Please refer to rig layout. All equipment will be confined to access road and wellpad. The reserve pit will be fenced on three sides with four strand barbed wire prior to drilling. The fourth side will be fenced as soon as drilling is completed and the fence will be kept in good repair while the pit is drying. Per BLM requirements, the reserve pit will be lined with sufficient amounts of commercial bentonite mud to prevent seepage. The pit has been designed to prevent collection of surface runoff. As shown on the cut/fill diagrams, at least 1/2 of the pit will be in cut.

For Pre-drill Inspection, contact:

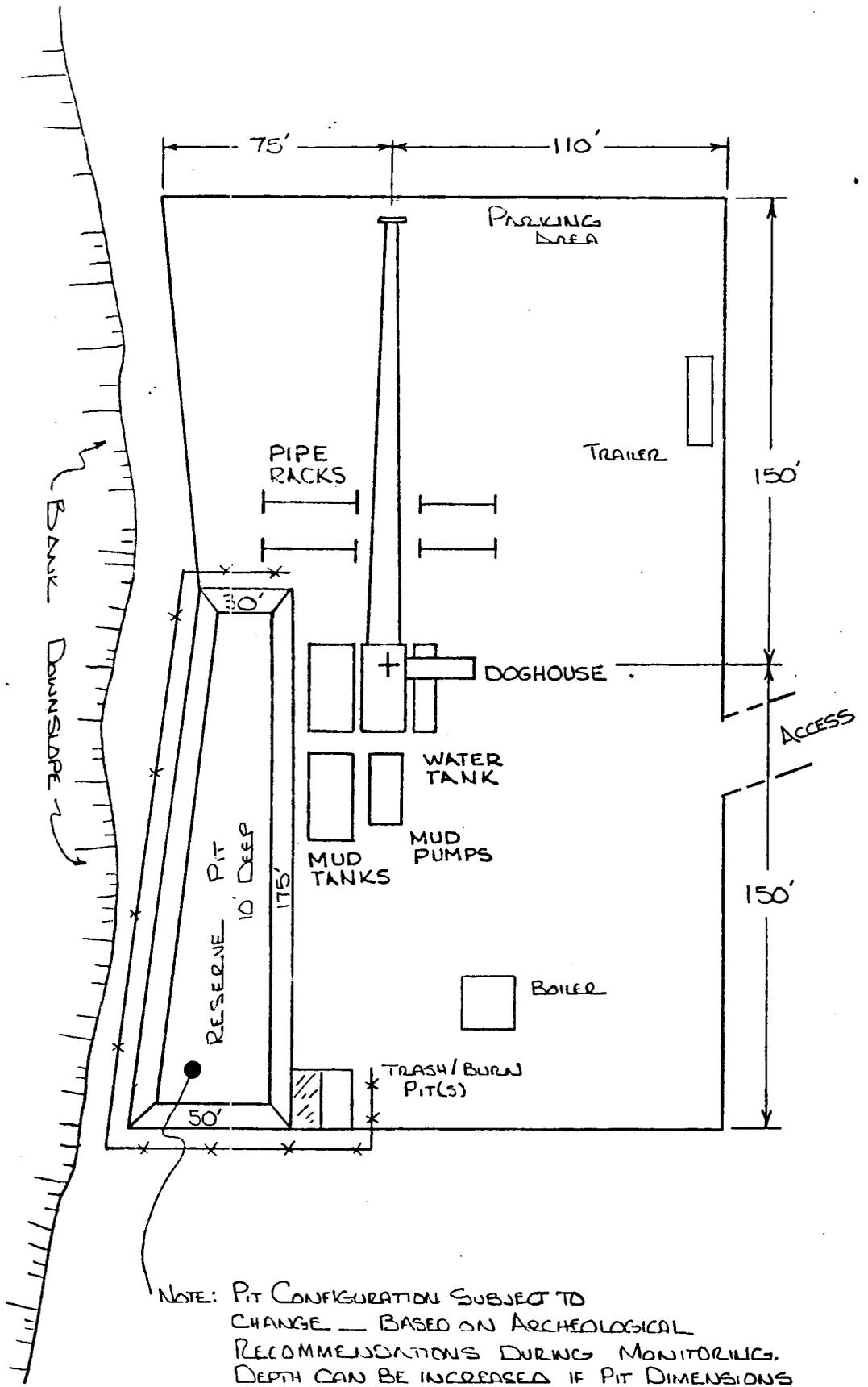
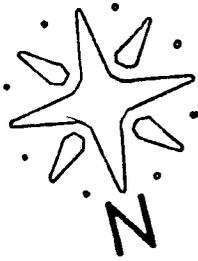
Dave Farrel or Teresa Ackley
Petroleum Engineers, Inc.
307/746-2620

XIII. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access routes; that I am familiar with the conditions which presently exist; that the statements made herein are to the best of my knowledge true and correct; and that the work associated with the operations proposed herein will be performed by Resources Investment Corporation and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date: November 19, 1981

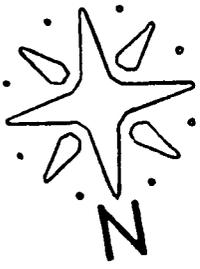
By: 
No. District Drilling & Production Manager



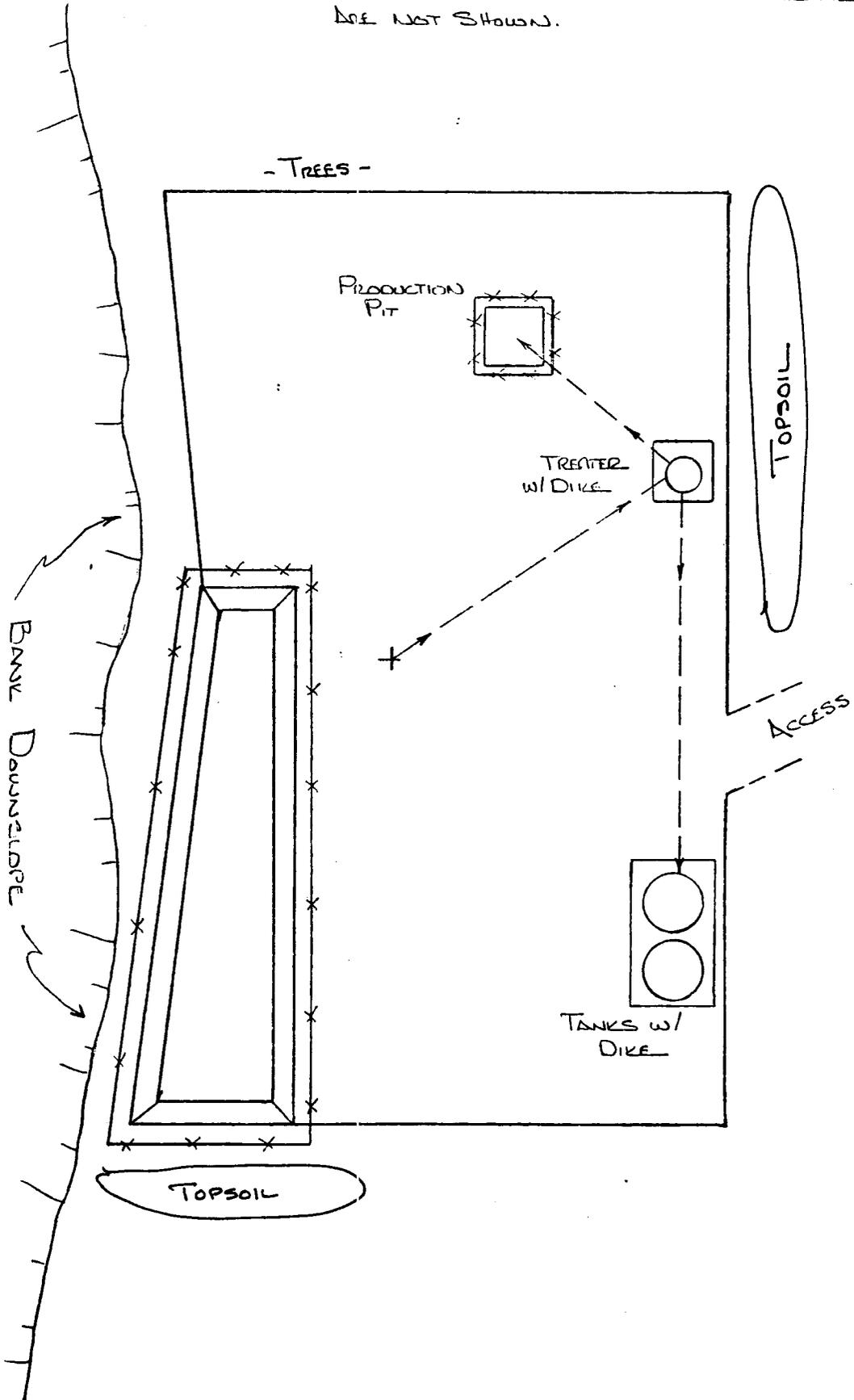
NOTE: PIT CONFIGURATION SUBJECT TO CHANGE — BASED ON ARCHEOLOGICAL RECOMMENDATIONS DURING MONITORING. DEPTH CAN BE INCREASED IF PIT DIMENSIONS ARE TO BE REDUCED. (PIT WILL BE CONSTRUCTED IN FLAT AREA ABOVE ARCHEOLOGICAL SITES)

SCALE: 1"=50'

RIG LAYOUT
RESOURCES INVESTMENT CORP. 1-11 BLACK MESA FEDERAL SAN JUAN COUNTY, UTAH
DF



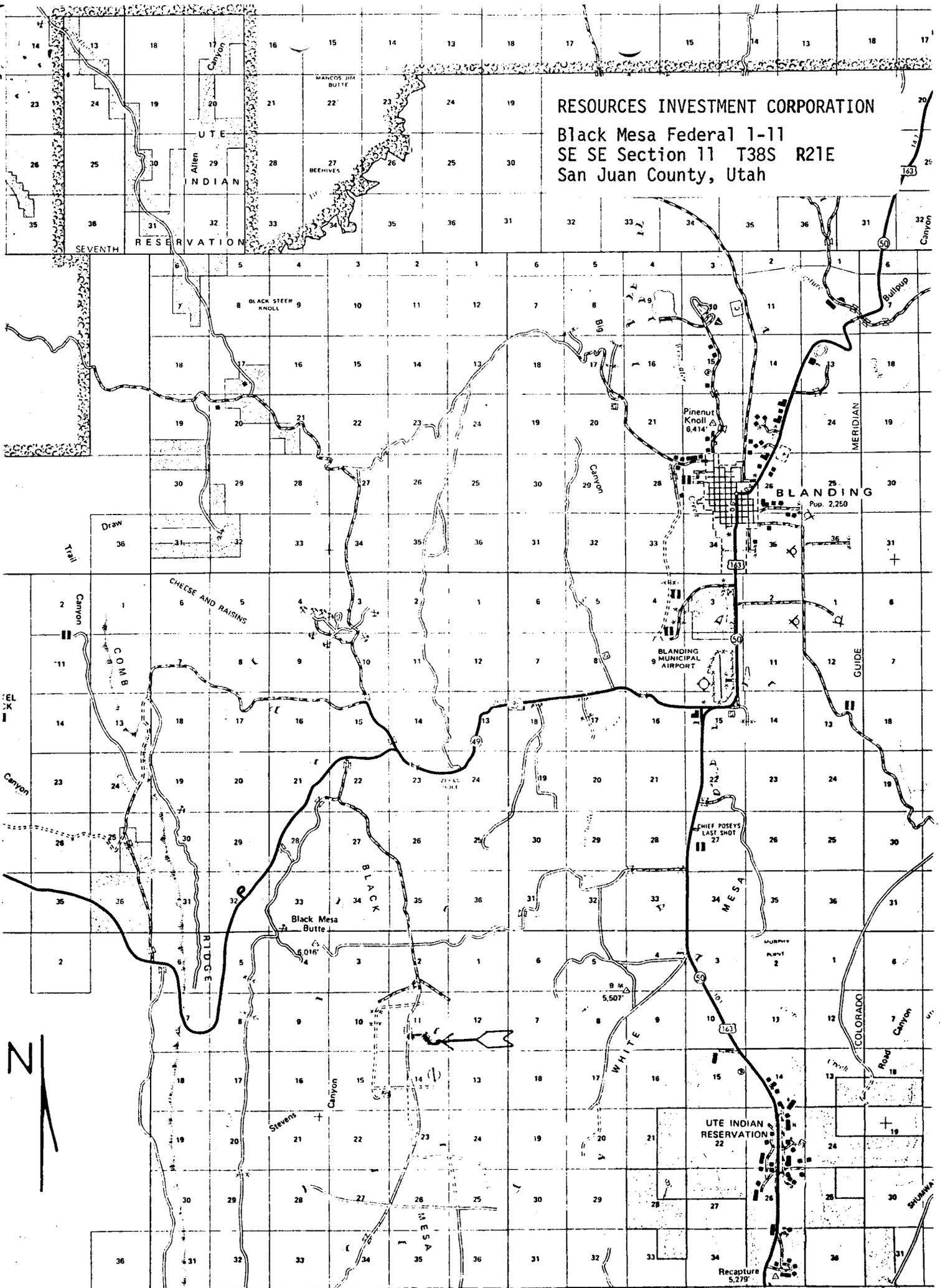
NOTE: AFTER REMOVING 6" TOPSOIL, THERE WILL BE LESS THAN 1 FOOT OF CUT/FILL ACROSS THE PAD... THEREFORE SPECIFICS ARE NOT SHOWN.



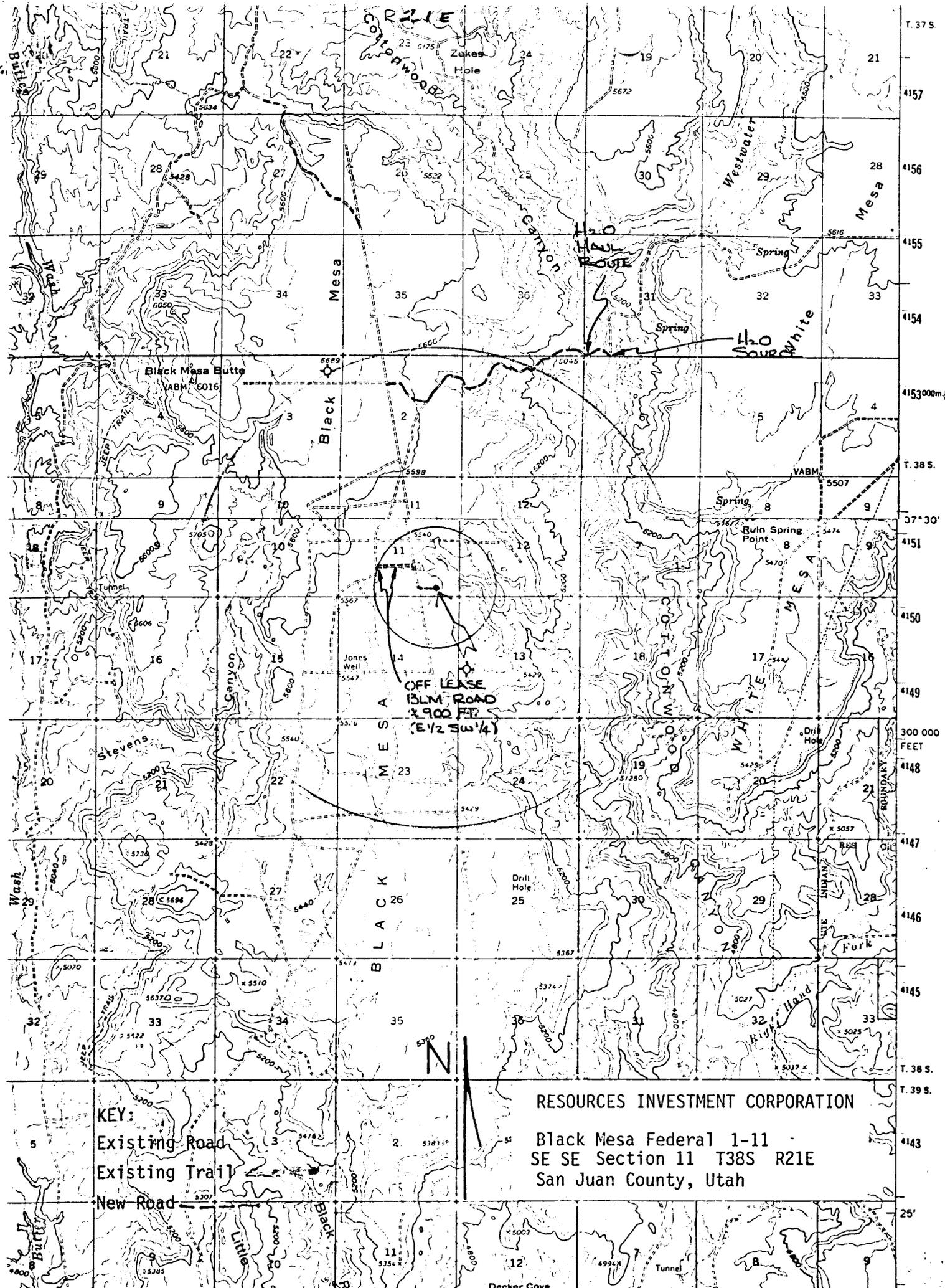
SCALE: 1" = 50'

PRODUCTION LAYOUT & CUTS - FILLS
RESOURCES INVESTMENT CORP. 1-11 BLACK MESA FEDERAL SAN JUAN COUNTY, UTAH

RESOURCES INVESTMENT CORPORATION
Black Mesa Federal 1-11
SE SE Section 11 T38S R21E
San Juan County, Utah



018-1



KEY:
 Existing Road
 Existing Trail
 New Road

RESOURCES INVESTMENT CORPORATION

Black Mesa Federal 1-11
 SE SE Section 11 T38S R21E
 San Juan County, Utah

T. 37 S
 4157
 4156
 4155
 4154
 4153000m.N.
 T. 38 S.
 37° 30'
 4151
 4150
 4149
 300 000 FEET
 4148
 4147
 4146
 4145
 T. 38 S.
 T. 39 S.
 4143
 25'



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 16, 1983

Resources Investment Corporation
555 17th Street, Suite # 3500
Denver, Colorado 80202

Re: Well No. Ric/Tersoro Federal # 1-11
Sec. 11, T. 38S, R. 21E.
San Juan County, Utah

Gentlemen:

In reference to the above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Well Records Specialist

CF/cf

RESOURCES
INVESTMENT
CORPORATION

1225 17th Street

32nd Floor

Denver, Colorado 80202

Telephone 303/291 7500

OIL AND GAS EXPLORATION AND PRODUCTION

Subsidiary of ENERGY MANAGEMENT CORPORATION



March 22, 1983

State of Utah
Natural Resources & Energy
Oil Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Cari Furse

Re: RIC Tesoro Federal #1-11
Sec. 11, T38S, R21E
San Juan County, Utah

Dear Mr. Furse:

In response to your March 16, 1983 letter on the referenced well, this well has not been spud by Resources Investment Corporation. We do not anticipate drilling this well in the near future. We do have a long term lease on the acreage and do plan to drill at a much later date.

Please cancel our application to drill this well. We will submit a new application at such time as we are ready to drill. If you have any additional problems, please advise me.

Sincerely,

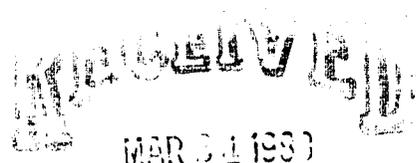
RESOURCES INVESTMENT CORPORATION

A handwritten signature in cursive script that reads 'Etta Daniel'.

Etta Daniel
Regulatory Specialist

/ed

cc: George Olsen



DIVISION OF
OIL, GAS & MINING

Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

April 4, 1983

Resources Investment Corporation
555 - 17th Street, Suite 3500
Denver, Colorado 80202

Re: Rescind Application for Permit
to Drill
Well No. 1-11 ✓
Section 11, T. 38 S., R. 21 E.
San Juan County, Utah
Lease U-42586

Gentlemen:

The Application for Permit to Drill the referenced well was approved on March 10, 1982. Since that date no known activity has transpired at the approved location. Under District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of the well will be rehabilitated. A schedule for this rehabilitation must then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

(ORIG. SGD.) W. P. MARTENS
Drilling Unit Supervisor

E. W. Gynn
E. W. Gynn
District Oil and Gas Supervisor

bcc: Well File
SMA
State O&G ✓
State BLM
APD Control
Vernal or Durango

WPM/kr